

DEPARTMENT OF THE AIR FORCE
Headquarters, US Air Force
Washington DC 20330-5000

AFMS 42B1

15 June 1994

VEHICLE MAINTENANCE

1. Mission Statement. The mission objective of this flight is to: Perform vehicle and equipment maintenance, Perform maintenance support, Control and manage Contractor Operated Parts Store/Contractor Operated Part Depot/Blanket Purchase Agreement (COPARS/COPADS/BPA) or similar functions, and perform nonregistered nonprogrammable vehicle and equipment maintenance.
2. Authority. AFM 77-310 Volume II, Vehicle Maintenance Management, provides policy and procedural guidance for this work center. This standard is the result of an objective flight study and has been developed in accordance with policy and guidance from the air staff and AFR 25-5, Air Force Management Engineering Program (MEP) Policies, Responsibilities, and Requirements.
3. Applicability. This is a peacetime Air Force Manpower Standard (AFMS). This standard applies to CONUS and overseas Air Force installations. This standard does not apply to AFRES, ANG, Tactical Control Units, Gunnery Ranges and Satellite Units. This standard applies only to bases supporting a workload factor range of between 132 and 4554 vehicle equivalents inclusive. This AFMS does not apply to flights which have been cost compared (OMB Circular A-76). Bases should develop variances to account for processes not performed, or performed but not included in this AFMS.
4. Core Composition. The core composition of this AFMS was developed for a Vehicle Maintenance Flight to support an objective wing having 1355.8 vehicle equivalents.
 - a. Core Flight Manpower Requirement: 45.
 - b. Core Manpower Range: 9 - 143
 - c. Major Programming Factor. Assigned vehicle equivalents.
5. Standard Data:
 - a. Classification. Type III
 - b. Approval Date: November 1993

Supersedes AFMS 4240, 25 Oct 90; AFMS 4241, 29 Sep 89; AFMS 4242, 25 Oct 90; AFMS 4243, 21 Nov 90
No. of Pages: 17
OPR: AFMEA/PLDM
OCR: AFLOGMET/MEMT
Distribution: F

c. Man-hour Data Source. Workshop Measurement/Expert Team

d. Standard Manpower Equation: $Y = 45 + ((X - 1355.8)/36.5)$

e. Workload Factor:

(1) Title. A Vehicle/Equipment Equivalent Assigned

(2) Definition. The total number of vehicle/equipment equivalents assigned at the installation that the Vehicle Maintenance flight is responsible for maintaining regardless of owning command or using activity. (Excludes WRM vehicles/equipment in deep/cold storage).

(3) Source. (Current) Vehicle Master List, PCN S009-023. For WRM in storage exclusion, count WRM indicator column, print position 47, code M only and subtract from total. (Projected) For forecasting purposes, an Air Force Automated Management System (AFAMS) interface based on the priority buy allocation module is being developed.

d. Study Team:

(1) Lead Technician - TSgt Michael Conran, AFLOGMET/MEMT

(2) Functional Representative - Mr. B. Wiley, HQ USAF/LGTV

(3) Program Manager - Mr. Richard Dublin, HQ AFMEA/MEMS
MSgt Ed Makepeace, HQ AFMEA/MEMS

6. Application Instructions.

a. Determine the total vehicle/equipment equivalents for the base and substitute for X in the equation. Calculate the equation and the result is the core earned manpower.

b. Determine variance manpower. Using the applicable variances(s) (see atch 3) for your base, add/subtract to or from the manpower indicated, the core authorizations determined in step 6a above. Round this fractional requirement up to the next whole number for the whole earned manpower requirement. This number will be the authorized manpower for the Vehicle Maintenance Flight.

c. HQ USAF/LGTV has constrained the USAFE vehicle equivalents to the following numbers. This policy will remain in effect until 30 Sep 94 unless otherwise directed by HQ USAF/LGTV.

Alconbury :	1873.8	Aviano : 1948.4	Bitburg : 3091.2
Chicksands:	97.0	Fairford : 307.0	Lakenheath : 2001.0
Mildenhall:	2111.0	Ramstein : 4507.5	Rhein Main : 2618.0
Sembach :	4701.	Spangdahlem: 1785.1	

d. Do not apply Variance 2. T.O. 36-1-52 is currently under review. Exception to this application instruction requires the specific approval of HQ USAF/LGT. Submit individual requests for applicability through MAJCOM's to HQ USAF/LGTV, 1030 Air Force Pentagon, Washington DC 20330-1030.

7. Statement of Conditions. Standard hours of operation for the Vehicle Maintenance Flight are 8 hours per day, 5 days per week.

4 Atch

1. Work Center Descriptio
2. Standard Manpower Table
3. Approved Variances
4. Process Analysis Summary

WORK CENTER DESCRIPTION

VEHICLE MAINTENANCE

1. Performs vehicle and equipment maintenance.
 - 1.1. Performs general purpose vehicle/equipment maintenance.
 - 1.2. Performs special purpose vehicle/equipment maintenance.
 - 1.3. Performs fire department vehicle/equipment maintenance.
 - 1.4. Performs refueling vehicle/equipment maintenance.
 - 1.5. Performs mobile maintenance.
 - 1.6. Performs tire and battery maintenance.
 - 1.7. Performs allied trades maintenance.
 - 1.8. Performs nonregistered programmable vehicle/equipment maintenance.
 - 1.9. Performs hazardous waste management, training, and disposal.
 - 1.10. Controls and manages contracted maintenance.
2. Performs maintenance support.
 - 2.1. Performs workload control.
 - 2.2. Controls, manages, and maintains bench stock.
 - 2.3. Performs data analysis.
 - 2.4. Provides data support.
 - 2.5. Controls, manages, and maintains technical library.
 - 2.6. Controls, manages, and maintains tool inventory.
 - 2.7. Performs materiel control.
3. Manages COPARS/COPADS/BPA or similar program.
 - 3.1. Monitors program.
 - 3.2. Performs quality assurance evaluation.
4. Performs nonregistered nonprogrammable vehicle/equipment maintenance.

NOTE: The processes listed are in prioritized order. The subprocess items are equal in priority to the others within that process, and they do not constitute a sequence of steps.

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Vehicle Maintenance Flight/42B1			Workload Factor Range: 132 - 4554 Vehicle Equivalents								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS									
Vehicle Maintenance Supt	2T390	SMS		1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG									
Vehicle Maintenance Crftmn	2TX7X	TSG		1	1	1	1	2	2	2	2
Vehicle Maintenance Jrnymn	2TX5X	SSG			1	1	1	1	1	2	2
Vehicle Maintenance Jrnymn	2TX5X	SRA		4	4	4	4	4	5	5	6
Vehicle Maintenance Apr	2TX3X	A1C				1	2	2	2	2	2
Administrative Jrnymn	3A051	SRA		1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG									
Inventory Management Crftmn	2S071	TSG									
Inventory Management Jrnymn	2S051	SSG									
Inventory Management Jrnymn	2S051	SRA		2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C									
TOTAL				9	10	11	12	13	14	15	16
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS									
Vehicle Maintenance Supt	2T390	SMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG								1	1
Vehicle Maintenance Crftmn	2TX7X	TSG	2	2	2	2	2	2	2	2	2
Vehicle Maintenance Jrnymn	2TX5X	SSG	3	3	3	3	4	5	5	5	6
Vehicle Maintenance Jrnymn	2TX5X	SRA	6	7	7	8	8	8	9	9	9
Vehicle Maintenance Apr	2TX3X	A1C	2	2	3	3	3	3	3	3	3
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG									
Inventory Management Crftmn	2S071	TSG									
Inventory Management Jrnymn	2S051	SSG									
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C									
NOTE 1: Substitution of a 2A751 machinist for a 2TX5X is allowed at bases where a requirement for vehicle parts fabrication exists.											
NOTE 2: An additional 3A051 may be substituted for a 2TX5X at the commands discretion.											
TOTAL			17	18	19	20	21	22	23	24	25

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Vehicle Maintenance Flight/42B1			Workload Factor Range: 132 - 4554 Vehicle Equivalents								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS									
Vehicle Maintenance Supt	2T390	SMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	TSG	2	2	2	2	2	2	2	2	3
Vehicle Maintenance Jrnymn	2TX5X	SSG	6	6	6	6	7	7	7	7	7
Vehicle Maintenance Jrnymn	2TX5X	SRA	9	10	10	11	11	12	13	14	14
Vehicle Maintenance Apr	2TX3X	A1C	3	3	4	4	4	4	4	4	4
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG									
Inventory Management Crftmn	2S071	TSG									
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C									
TOTAL			26	27	28	29	30	31	32	33	34
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS									
Vehicle Maintenance Supt	2T390	SMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	TSG	3	3	3	3	3	3	3	4	4
Vehicle Maintenance Jrnymn	2TX5X	SSG	7	7	8	8	8	8	8	8	8
Vehicle Maintenance Jrnymn	2TX5X	SRA	15	15	15	16	16	17	18	18	18
Vehicle Maintenance Apr	2TX3X	A1C	4	5	5	5	6	6	6	6	6
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG									
Inventory Management Crftmn	2S071	TSG									
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C									1
NOTE 1: Substitution of a 2A751 machinist for a 2TX5X is allowed at bases where a requirement for vehicle parts fabrication exists.											
NOTE 2: An additional 3A051 may be substituted for a 2TX5X at the commands discretion.											
TOTAL			35	36	37	38	39	40	41	42	43

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Vehicle Maintenance Flight/42B1			Workload Factor Range: 132 - 4554 Vehicle Equivalents								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS									
Vehicle Maintenance Supt	2T390	SMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG	2	2	2	2	2	2	2	2	2
Vehicle Maintenance Crftmn	2TX7X	TSG	4	4	4	4	4	4	5	5	5
Vehicle Maintenance Jrnymn	2TX5X	SSG	8	9	9	9	9	9	9	10	10
Vehicle Maintenance Jrnymn	2TX5X	SRA	18	18	19	19	20	21	21	21	22
Vehicle Maintenance Apr	2TX3X	A1C	6	6	6	7	7	7	7	7	7
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG									
Inventory Management Crftmn	2S071	TSG									
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
TOTAL			44	45	46	47	48	49	50	51	52
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS									
Vehicle Maintenance Supt	2T390	SMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG	2	2	2	2	2	3	3	3	3
Vehicle Maintenance Crftmn	2TX7X	TSG	5	5	5	5	5	5	5	5	5
Vehicle Maintenance Jrnymn	2TX5X	SSG	10	10	11	12	12	12	12	12	12
Vehicle Maintenance Jrnymn	2TX5X	SRA	22	23	23	23	24	24	24	25	25
Vehicle Maintenance Apr	2TX3X	A1C	8	8	8	8	8	8	8	8	9
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG									
Inventory Management Crftmn	2S071	TSG							1	1	1
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
NOTE 1: Substitution of a 2A751 machinist for a 2TX5X is allowed at bases where a requirement for vehicle parts fabrication exists.											
NOTE 2: An additional 3A051 may be substituted for a 2TX5X at the commands discretion.											
TOTAL			53	54	55	56	57	58	59	60	61

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Vehicle Maintenance Flight/42B1			Workload Factor Range: 132 - 4554 Vehicle Equivalents								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS					1	1	1	1	1
Vehicle Maintenance Supt	2T390	SMS	1	1	1	1					
Vehicle Maintenance Crftmn	2TX7X	MSG	3	3	3	3	3	3	3	3	3
Vehicle Maintenance Crftmn	2TX7X	TSG	5	5	5	5	5	5	5	5	5
Vehicle Maintenance Jrnymn	2TX5X	SSG	12	13	13	13	13	13	14	15	15
Vehicle Maintenance Jrnymn	2TX5X	SRA	26	26	27	28	28	29	29	29	30
Vehicle Maintenance Apr	2TX3X	A1C	9	9	9	9	10	10	10	10	10
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG									
Inventory Management Crftmn	2S071	TSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
TOTAL			62	63	64	65	66	67	68	69	70
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Supt	2T390	SMS									
Vehicle Maintenance Crftmn	2TX7X	MSG	3	3	3	3	3	3	3	3	3
Vehicle Maintenance Crftmn	2TX7X	TSG	5	5	5	5	5	5	6	6	6
Vehicle Maintenance Jrnymn	2TX5X	SSG	15	15	15	16	17	17	17	17	18
Vehicle Maintenance Jrnymn	2TX5X	SRA	31	31	32	32	32	32	32	33	33
Vehicle Maintenance Apr	2TX3X	A1C	10	11	11	11	11	11	11	11	11
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG						1	1	1	1
Inventory Management Crftmn	2S071	TSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
NOTE 1: Substitution of a 2A751 machinist for a 2TX5X is allowed at bases where a requirement for vehicle parts fabrication exists.											
NOTE 2: An additional 3A051 may be substituted for a 2TX5X at the commands discretion.											
TOTAL			71	72	73	74	75	76	77	78	79

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Vehicle Maintenance Flight/42B1			Workload Factor Range: 132 - 4554 Vehicle Equivalents								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Supt	2T390	SMS									
Vehicle Maintenance Crftmn	2TX7X	MSG	3	3	3	3	3	3	3	3	3
Vehicle Maintenance Crftmn	2TX7X	TSG	6	6	6	6	7	7	7	7	7
Vehicle Maintenance Jrnymn	2TX5X	SSG	18	18	18	19	19	19	19	19	20
Vehicle Maintenance Jrnymn	2TX5X	SRA	34	34	35	35	35	36	37	37	37
Vehicle Maintenance Apr	2TX3X	A1C	11	12	12	12	12	12	12	13	13
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	TSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
TOTAL			80	81	82	83	84	85	86	87	88
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Supt	2T390	SMS									
Vehicle Maintenance Crftmn	2TX7X	MSG	3	3	3	3	3	4	4	4	4
Vehicle Maintenance Crftmn	2TX7X	TSG	7	8	8	8	8	8	8	8	8
Vehicle Maintenance Jrnymn	2TX5X	SSG	20	20	20	20	20	20	21	21	21
Vehicle Maintenance Jrnymn	2TX5X	SRA	38	38	39	40	40	40	40	41	42
Vehicle Maintenance Apr	2TX3X	A1C	13	13	13	13	14	14	14	14	14
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	TSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
NOTE 1: Substitution of a 2A751 machinist for a 2TX5X is allowed at bases where a requirement for vehicle parts fabrication exists.											
NOTE 2: An additional 3A051 may be substituted for a 2TX5X at the commands discretion.											
TOTAL			89	90	91	92	93	94	95	96	97

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STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Vehicle Maintenance Flight/42B1			Workload Factor Range: 132 - 4554 Vehicle Equivalents								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Supt	2T390	SMS			1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG	4	4	3	3	3	3	3	3	3
Vehicle Maintenance Crftmn	2TX7X	TSG	8	8	8	8	8	8	9	9	9
Vehicle Maintenance Jrnymn	2TX5X	SSG	21	21	21	22	22	22	22	22	23
Vehicle Maintenance Jrnymn	2TX5X	SRA	43	43	44	44	45	46	46	47	47
Vehicle Maintenance Apr	2TX3X	A1C	14	15	15	15	15	15	15	15	15
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	TSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
TOTAL			98	99	100	101	102	103	104	105	106
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Supt	2T390	SMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG	3	3	3	3	3	3	3	3	3
Vehicle Maintenance Crftmn	2TX7X	TSG	9	9	9	10	10	10	10	10	10
Vehicle Maintenance Jrnymn	2TX5X	SSG	23	23	23	23	23	24	24	24	24
Vehicle Maintenance Jrnymn	2TX5X	SRA	47	48	49	49	50	50	50	51	52
Vehicle Maintenance Apr	2TX3X	A1C	16	16	16	16	16	16	17	17	17
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	TSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
NOTE 1: Substitution of a 2A751 machinist for a 2TX5X is allowed at bases where a requirement for vehicle parts fabrication exists.											
NOTE 2: An additional 3A051 may be substituted for a 2TX5X at the commands discretion.											
TOTAL			107	108	109	110	111	112	113	114	115

AF Form 1113, JUN 91 (COMPUTER GENERATED). PREVIOUS EDITION IS OBSOLETE.

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Vehicle Maintenance Flight/42B1			Workload Factor Range: 132 - 4554 Vehicle Equivalents								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Supt	2T390	SMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG	3	3	3	3	3	3	3	3	3
Vehicle Maintenance Crftmn	2TX7X	TSG	10	10	10	11	11	11	11	11	11
Vehicle Maintenance Jrnymn	2TX5X	SSG	24	24	24	24	25	25	25	26	26
Vehicle Maintenance Jrnymn	2TX5X	SRA	53	54	54	54	54	55	56	56	56
Vehicle Maintenance Apr	2TX3X	A1C	17	17	18	18	18	18	18	18	19
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	TSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
TOTAL			116	117	118	119	120	121	122	123	124
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Supt	2T390	SMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG	3	4	4	4	4	4	4	4	4
Vehicle Maintenance Crftmn	2TX7X	TSG	11	11	11	11	11	11	11	11	11
Vehicle Maintenance Jrnymn	2TX5X	SSG	26	26	26	26	26	27	27	27	27
Vehicle Maintenance Jrnymn	2TX5X	SRA	57	57	58	59	60	60	60	61	62
Vehicle Maintenance Apr	2TX3X	A1C	19	19	19	19	19	19	20	20	20
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	TSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
NOTE 1: Substitution of a 2A751 machinist for a 2TX5X is allowed at bases where a requirement for vehicle parts fabrication exists.											
NOTE 2: An additional 3A051 may be substituted for a 2TX5X at the commands discretion.											
TOTAL			125	126	127	128	129	130	131	132	133

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Vehicle Maintenance Flight/42B1			Workload Factor Range: 132 - 4554 Vehicle Equivalents								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Supt	2T390	SMS	1	1	1	1	1	1	1	1	1
Vehicle Maintenance Crftmn	2TX7X	MSG	4	4	4	4	4	4	4	4	4
Vehicle Maintenance Crftmn	2TX7X	TSG	11	12	12	12	12	12	12	12	12
Vehicle Maintenance Jrnymn	2TX5X	SSG	28	28	28	28	28	29	29	29	29
Vehicle Maintenance Jrnymn	2TX5X	SRA	62	62	63	63	64	64	65	65	66
Vehicle Maintenance Apr	2TX3X	A1C	20	20	20	21	21	21	21	22	22
Administrative Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	MSG	1	1	1	1	1	1	1	1	1
Inventory Management Crftmn	2S071	TSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SSG	1	1	1	1	1	1	1	1	1
Inventory Management Jrnymn	2S051	SRA	2	2	2	2	2	2	2	2	2
Inventory Management Apr	2S031	A1C	1	1	1	1	1	1	1	1	1
TOTAL			134	135	136	137	138	139	140	141	142
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Vehicle Maintenance Manager	2T300	CMS	1								
Vehicle Maintenance Supt	2T390	SMS	1								
Vehicle Maintenance Crftmn	2TX7X	MSG	4								
Vehicle Maintenance Crftmn	2TX7X	TSG	12								
Vehicle Maintenance Jrnymn	2TX5X	SSG	30								
Vehicle Maintenance Jrnymn	2TX5X	SRA	66								
Vehicle Maintenance Apr	2TX3X	A1C	22								
Administrative Jrnymn	3A051	SRA	1								
Inventory Management Crftmn	2S071	MSG	1								
Inventory Management Crftmn	2S071	TSG	1								
Inventory Management Jrnymn	2S051	SSG	1								
Inventory Management Jrnymn	2S051	SRA	2								
Inventory Management Apr	2S031	A1C	1								
NOTE 1: Substitution of a 2A751 machinist for a 2TX5X is allowed at bases where a requirement for vehicle parts fabrication exists.											
NOTE 2: An additional 3A051 may be substituted for a 2TX5X at the commands discretion.											
TOTAL			143								

APPROVED VARIANCES

NOTE: All variances are stated in terms of whole manpower.

1. TITLE: Positive Environmental Variance for Cold Weather and Snowfall.

DEFINITION: Extreme cold weather or heavy annual snowfall causes excessive wear on the vehicle fleet and snow removal equipment. This variance captures the workload associated with the corresponding increased maintenance requirement.

IMPACT:	Ellsworth	Y = +4	Spangdahlem	Y = +2
	Fairchild	Y = +4	Andrews	Y = +2
	F. E. Warren	Y = +4	Malmstrom	Y = +5
	Grand Forks	Y = +5	McGuire	Y = +2
	K. I. Sawyer	Y = +7	Plattsburgh	Y = +5
	Minot	Y = +5	Scott	Y = +2
	Mt. Home	Y = +2	Hanscom	Y = +4
	Offutt	Y = +4	Eielson	Y = +7
	Whiteman	Y = +2	Elmendorf	Y = +5
	Academy	Y = +4	Kunsan	Y = +2
	Bitburg	Y = +2	Misawa	Y = +6
	Ramstein	Y = +2	Osan	Y = +2
	Rhein Main	Y = +2	Griffiss	Y = +7
	Sembach	Y = +2	Bolling	Y = +2

APPLICABILITY: This variance applies to Ellsworth, Fairchild, F.E. Warren, Grand Forks, Griffiss, K. I. Sawyer, Minot, Mt. Home, Offutt, Whiteman, Academy, Bitburg, Ramstein, Rhein Main, Bolling, Sembach, Spangdahlem, Andrews, Malmstrom, McGuire, Plattsburgh, Scott, Hanscom, Eielson, Elmendorf, Kunsan, Misawa, and Osan. The data sources for historical weather data are the Station Climatic Summaries (USAFETAC/DS-88/03/) available at each base weather station. This data is based on a minimum of 10 years historical data. For annual snowfall sum the mean monthly snowfall amounts. For the average temperature from October through March sum the mean monthly temperatures from October through March and divide by six.

2. TITLE: Positive Environmental Variance for Excessive Corrosion Control.

DEFINITION: Excessive corrosion occurs at locations immediately adjacent to an ocean salt air environment. This variance captures the workload associated with the corresponding increased maintenance requirement.

IMPACT: The impact is driven by whether the location is classified as a severe or very severe corrosion location in T.O. 36-1-52. Those locations classified as a severe corrosion location earn +1 additional authorizations per every 500 authorized vehicle/equipment equivalents. Those classified as very severe earn +1 additional authorization per every 150 authorized vehicle/equipment equivalents.

APPLICABILITY: NOTE: DO NOT APPLY THIS VARIANCE. T.O. 36-1-52 IS CURRENTLY UNDER REVIEW. EXCEPTION TO THIS APPLICATION INSTRUCTION REQUIRES THE SPECIFIC APPROVAL OF HQ USAF/LGT. SUBMIT INDIVIDUAL REQUESTS FOR APPLICABILITY THROUGH MAJCOM'S TO HQUSAF/LGTV, 1030 AIR FORCE PENTAGON, WASHINGTON DC 20330-1030.

This variance applies to the following locations: Howard, Langley, Macdill, Tyndall, Alconbury, Chicksands, Fairford, Lakenheath, Mildenhall, Lajes, Keesler, Andersen, Hickam, Kadena, Misawa, Osan, Kunsan, Eglin, Hurlburt, and Vandenberg.

3. TITLE: Positive Mission Variance for Missile Mobile Maintenance.

DEFINITION: Missile mobile maintenance requirements exceed the average captured in the model. This requirement is driven by the distances traveled, corresponding high mileage accrued on fleet vehicles, and the time involved it takes to get to missile sites from the main base.

IMPACT: $Y = +10$.

APPLICABILITY: This variance applies only to missile bases. These are: Ellsworth, F. E. Warren, Grand Forks, Malmstrom, Minot, and Whiteman.

4. TITLE: Positive Mission Variance for Site Support.

DEFINITION: Site support requirements exist at locations which provide maintenance support to geographically separated units outside the local area, or units supported in a down range peacetime theater of operations. This variance captures the manpower associated with the corresponding increased maintenance workload.

IMPACT: The impact is dependent upon the specific location.

Charleston	$Y = +2$
Dover	$Y = +1$
Rhein Main	$Y = +3$
Elmendorf	$Y = +5$
Andersen	$Y = +2$
Howard	$Y = +2$
Hickam	$Y = +1$
Eielson	$Y = +1$
Aviano	$Y = +2$
Yokota	$Y = +2$

APPLICABILITY: This variance applies only to Charleston, Dover, Rhein Main, Elmendorf, Andersen, Howard, Hickam, Eielson, Aviano, and Yokota.

5. TITLE: Positive Mission Variance for POV Inspection.

DEFINITION: Current Status of Forces Agreements have driven the requirement for vehicle maintenance to perform POV inspections at some overseas locations. This variance captures the manpower associated with the corresponding increased maintenance workload.

IMPACT:	Bitburg	$Y = +3$
	Aviano	$Y = +3$
	Ramstein	$Y = +5$
	Yokota	$Y = +1$
	Sembach	$Y = +5$
	Rhein Main	$Y = +5$
	Spangdahlem	$Y = +3$

APPLICABILITY: This variance applies to overseas locations required to inspect POV's. These currently are Bitburg, Ramstein, Sembach, Spangdahlem, Aviano, Yokota, and Rhein Main.

6. TITLE: Positive Technical Variance for Special Emission Control Systems.

DEFINITION: Current public law in California, Arizona, Maryland, the Puget Sound Corridor of Washington, New Jersey, Alaska, and New Mexico require additional emission control systems and parts for vehicles driven in these states. This requirement increases the complexity of the normal emission control system, and drives

increased maintenance and inspection requirements. This variance captures the manpower associated with the corresponding increased maintenance workload.

IMPACT: One additional authorization is earned per every 275 vehicle equivalents required to be maintained under state controlled emissions requirements.

APPLICABILITY: This variance applies only to Beale, Cannon, Davis Monthan, Holloman, Luke, Andrews, March, McChord, McGuire, Travis, Kirtland, Eielson, Elmendorf, and Vandenberg.

7. TITLE: Positive Mission Variance for Split Location Operations.

DEFINITION: Locations operating more than one self sustaining vehicle maintenance operations within the immediate local area require a duplication in maintenance support to meet mission requirements.

IMPACT: Y = +4.

APPLICABILITY: This variance applies only to the vehicle maintenance operations at Ramstein/Kapaun. This variance captures the manpower associated with the increased support requirement.

8. TITLE: Negative Mission Variance for Realignment of the Material Control Function under Base Supply.

DEFINITION: Some locations have implemented a total realignment of the materiel control function under Base Supply. This variance captures the manpower associated with the work realigned to Supply for transfer to the appropriate supply flight.

IMPACT: Determine the total authorized from the basic determinate. Determine the skills and grades for the total authorized from the manpower table. Then subtract out the total number of 645XX authorizations. This will not exceed 6 authorizations.

APPLICABILITY: This variance applies to: Dover and Lajes.

9. TITLE: Negative Mission Variance for Partial Realignment of the Materiel Control Function under Base Supply.

DEFINITION: Some locations have implemented a partial realignment of the materiel control function under Base Supply. This variance captures the manpower associated with the work realigned to Supply for transfer to the appropriate supply flight. This variance differs from variance 8 in that the workload associated with bench stock and tool management remain within the Vehicle Maintenance flight. The remaining workload associated with the old work categories of materiel control, COPARS/COPADS/BPA (or similar program) monitoring, and COPARS/COPADS/BPA (or similar program) QAE are realigned (transferred to) under Base Supply.

IMPACT: Determine the total authorized from the basic determinate. Determine the skills and grades for the total authorized from the manpower table. Then subtract out all but one of the total number of 2S0XX authorizations. This will not exceed 5 authorizations.

APPLICABILITY: This variance applies to: Alconbury, Aviano, Bitburg, Chicksands, Fairford, Lakenheath, Mildenhall, Ramstein, Rhein Main, Sembach, Spangdahlem, Scott, Keesler, Lackland, McGuire, and Randolph.

10. TITLE: Positive Mission Variance for Flag Exercise Support.

DEFINITION: Nellis AFB hosts numerous Flag exercises throughout the year. This variance eliminates the requirement for participating units to provide vehicle maintenance TDY support during the exercises.

IMPACT: Y = +10 at Nellis AFB.

APPLICABILITY: This variance applies to Nellis AFB only.

11. TITLE: Variable Mission Variance for Overseas Man-hour Availability Factor (MAF) Impact.

DEFINITION: The overseas MAF has a significant impact on the manpower required to complete the mission at overseas bases. This variance is positive for locations whose aggregate MAF is below 160.7, and is negative for locations whose aggregate MAF is higher than 160.7.

IMPACT: Impact is dependent upon the country the base is in.

United Kingdom	+ 3.83%
Germany	+ 6.75%
Italy	+ 3.53%
Korea	-16.78%

APPLICABILITY: This variance applies to Alconbury, Aviano, Bitburg, Chicksands, Fairford, Lakenheath, Mildenhall, Ramstein, Rhein Main, Sembach, Spangdahlem, Kunsan, and Osan.

12. TITLE: Negative FASCAP, Technological Variance for LGTM, MCA 3000 Purchase (AMC FASCAP #91-16).

DEFINITION: Reduce authorization to account for purchase of an MCA-3000 modular analyzer. The equipment increases the trouble-shooting capability to thoroughly diagnose a vehicle engine performance.

IMPACT:	AMOUNT	GRADE	AFSC
	-1	A1C	2T431

APPLICABILITY: Applies to 437 TRNS, Charleston AFB SC.
The economic life of the above equipment is 5 years.

PROCESS ANALYSIS SUMMARY

<u>PROCESS TITLE</u>	<u>CORE MAN-HOURS/ MINUTES</u>	<u>MONTHLY PROJECTED WORKLOAD</u>	<u>FRACTIONAL MANPOWER</u>
Performs Vehicle and Equipment Maintenance	5934.84	1355.8	36.931
Performs Maintenance Support	1172.01	1355.8	7.293
Manages COPARS, COPADS, BPA or similar program	71.78	1355.8	.447
Performs Nonregistered Nonprogrammable Vehicle and Equipment Maintenance	52.87	1355.8	<u>.329</u>
TOTAL FRACTIONAL MANPOWER			45

Note: Processes are listed in priority order